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## MAGNAFLUX CORPORATION -- ZL-22D ZYGLO PENETRANT -- 6850-01-263-8221

======== Product Identification ============

Product ID:ZL-22D ZYGLO PENETRANT

MSDS Date:11/17/1986

FSC:6850

NIIN:01-263-8221

Kit Part:Y

MSDS Number: BGRNZ === Responsible Party ===

Company Name: MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:312-867-8000

Emergency Phone N um:312-867-8000

Preparer's Name: BRUCE C. GRAHAM

CAGE:37676

=== Contractor Identification ===

Company Name: ILLINOIS TOOL WORKS INC MAGNAFLUX DIV

Address:3624 WEST LAKE AVENUE

Box:City:GLENVIEW

State:IL ZIP:60025 Country:US

Phone:847-657-5300/

CAGE:37676

======= Composition/Information on Ingredients ========

Ingred Name: DISTILLATES, (PETROLEUM) HYDROTREATED MIDDLE

CAS:64742-46-7 RTECS #:JN9379645 Fraction by Wt: 25.0%

Ingred Name: KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by

Wt: 10.0%

ACGIH TLV:100MG/CUM

Ingred Name:DISTILATES(PETROLEUM),CATALYTIC REFORMER FRACTIONATER RESIDUE,LOW BOILING

CAS:68477-31-6 Fraction by Wt: 20.0%

Ingred Name: UNIDENTIFIED COMPONENTS

Fraction by Wt: 45.0%

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:IRRITATES EYES,MILDLY.

Effects of Overexposure:INHALATION:SPRAY MIST MAY IRRITATE TO BREATHING PASSAGES; EYES:LIQUID

CONTACT MAY CAUSE IRRITATION; SKIN:SOLVENT IN

THE PRODUCT MAY IRRITATE SKIN; INGESTION:NOT NOTED BY MANUFACTURER.

Medical Cond Aggravated by Exposure: NOT STATED BY MANUFACTURER.

First Aid:INHALATION:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT, GIVE OXYGEN; SKIN:REMOVE CONTAMINATED CLOTHES.WASH OFF WITH FLOWING WATER.USE SOOTHING LOTION.IF IRRITATION PERSISTS, GET MEDICAL ATTN; EYES:IMM EDIATELY RINSE/FLUSH WI

TH COPIOUS AMOUNT OF RUNNING
WATER.AND GET MEDICAL ATTENTION.

Flash Point Method:PMCC Flash Point:>200F/>93C

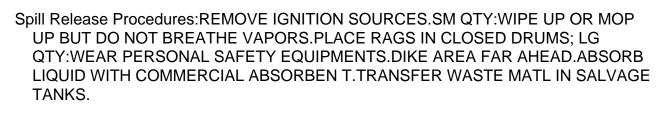
Extinguishing Media: CARBON DIOXIDE, FOAM.

Fire Fighting Procedures: KEEP CONTAINERS COOL WITH WATER SPRAY.DO NOT SPRAY ON BURNING PRODUCT.

Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

===== Accidental Release Measures ====

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========== Handling and Storage ================

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES IN WELL VENTILATED AREA.AVOID AGAINST PHYSICAL DAMAGE TO CONTAINER S.KEEP

CONTAINERS TIGHTLY CLOSED.

Other Precautions:DO NOT BREATHE VAPORS.DO NOT SMOKE WHILE USING.DO NOT HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal Protection ========

Respiratory Protection: WEAR A RESPIRATOR WITH CHEMICAL CARTRIDGE. IN CONFINED AREAS, WEAR A FULL MASK WITH SEPARATE AIR SUPPLY.

Ventilation: GENERAL VENTILATION TO KEEP BELOW 350PPM LIMIT.

Protective Gloves: NITRILE RUBBER GLOVES.

Eye Protection: FULL G

OGGLES.WHEN SPRAYING OR POURING.

Other Protective Equipment: EITHER USE IN A SPRAY BOOTH OR NEXT TO AN EXHAUST VENT.

Work Hygienic Practices: WASH OFF PROMPTLY WITH WATER. AVOID SKIN CONTACT.

Supplemental Safety and Health

PER QPL-25135-15 OR MIL-I-25135D,THE SET MAY CONSIST OF ZL-22D OR ZL-27A PENETRNT AND ZE-3 OR ZE-4B EMULSIFIER UNDR TYPE I METHOD B,LEVEL 3;THIS NSN HAS 2 PARTS IN THE SET;THESE EMULSIFIERS & PENETRAN TS ARE ALSO QUALIFIED PRODUCTS OF OTHERTYPES,NETHOD & L

EVELS.SEE THE QPL;THIS ENTRY OF ZL-22D PENETRANT;KEY1:N1.

======== Physical/Chemical Properties ==========

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:0.5 @100F

Vapor Density:>1.0

Spec Gravity:0.95

Solubility in Water: NEGLIGIBLE

Appearance and Odor: GREEN LIQUID WITH PETROLEUM DISTILLATE ODOR.

Percent Volatiles by Volume:5.0%

======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES MFR STATED "NONE". Stability Cond ition to Avoid:HEAT,HIGH TEMPERATURES.
Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN ON COMBUSTION.

======= Disposal Considerations ===========

Waste Disposal Methods:INCINERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE D001 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,STATE,LOCAL REGULATIONS;IF LOCAL AUTHORIES PROHIBIT DUMPING RINSINGS DOWN THE SEWER,PUR IFY RINSINGS W/MAGNAFLUX WASTEWATER TREATMNT SYSTM

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